

CLAIMS

An improved structure yarn cylinder consisting of a hollow columnar member utilized for winding yarn, wherein the said columnar hollow member is of one-piece plastic construction with a trench of an appropriate depth and width

5 formed around its circumference; the said trench structure secures the end of the yarn such that when the yarn is wound around it, this ensures the prevention of yarn loosening and slippage; the features are: The circumferential angle of the said trench is at minimum 350 degrees, numerous teeth are disposed at differing angular orientation along the two lateral walls of the said trench and, furthermore, the said

10 teeth are in a crisscross formation on the said two lateral walls; as such, the longer circumferential length of the said trench and the contrastive skewing of the said teeth effectively increases yarn end snagging capacity.